

## JC20 Rec'd PCT/PTO 1 3 OCT 2009

## SEQUENCE LISTING

<110> AIYAR, JAYASHREE COHEN, CHARLES JAY WILLIAMS, MARK EDWARD

<120> SPLICE VARIANTS OF HUMAN VOLTAGE-GATED
 CALCIUM CHANNEL ALPHA 2 DELTA-2 SUBUNIT DESIGNATED - ALPHA 2
 DELTA2-A AND ALPHA 2 DELTA 2-B

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                                       715
His Asn Leu Ile Leu Asp Thr Gly Ile Thr Gln Gln Leu Val Glu Arg
               725
                                   730
Val Trp Arg Asp Gln Asp Leu Asn Thr Tyr Ser Leu Leu Ala Val Phe
           740
                               745
Ala Ala Thr Asp Gly Gly Ile Thr Arg Val Phe Pro Asn Lys Ala Ala
                           760
Glu Asp Trp Thr Glu Asn Pro Glu Pro Phe Asn Ala Ser Phe Tyr Arg
                       775
Arg Ser Leu Asp Asn His Gly Tyr Val Phe Lys Pro Pro His Gln Asp
                   790
                                       795
Ala Leu Leu Arg Pro Leu Glu Leu Glu Asn Asp Thr Val Gly Ile Leu
               805
                                   810
Val Ser Thr Ala Val Glu Leu Ser Leu Gly Arg Arg Thr Leu Arg Pro
                               825
Ala Val Val Gly Val Lys Leu Asp Leu Glu Ala Trp Ala Glu Lys Phe
                           840
Lys Val Leu Ala Ser Asn Arg Thr His Gln Asp Gln Pro Gln Lys Cys
                       855
                                           860
Gly Pro Asn Ser His Cys Glu Met Asp Cys Glu Val Asn Asn Glu Asp
                   870
                                       875
Leu Leu Cys Val Leu Ile Asp Asp Gly Phe Leu Val Leu Ser Asn
               885
                                   890
Gln Asn His Gln Trp Asp Gln Val Gly Arg Phe Phe Ser Glu Val Asp
           900
                               905
Ala Asn Leu Met Leu Ala Leu Tyr Asn Asn Ser Phe Tyr Thr Arg Lys
                           920
                                               925
Glu Ser Tyr Asp Tyr Gln Ala Ala Cys Ala Pro Gln Pro Pro Gly Asn
                       935
                                           940
Leu Gly Ala Ala Pro Arg Gly Val Phe Val Pro Thr Val Ala Asp Phe
                   950
                                       955
Leu Asn Leu Ala Trp Trp Thr Ser Ala Ala Ala Trp Ser Leu Phe Gln
                                   970
               965
Gln Leu Leu Tyr Gly Leu Ile Tyr His Ser Trp Phe Gln Ala Asp Pro
                               985
Ala Glu Ala Glu Gly Ser Pro Glu Thr Arg Glu Ser Ser Cys Val Met
                           1000
                                               1005
Lys Gln Thr Gln Tyr Tyr Phe Gly Ser Val Asn Ala Ser Tyr Asn Ala
                       1015
                                           1020
Ile Ile Asp Cys Gly Asn Cys Ser Arg Leu Phe His Ala Gln Arg Leu
                   1030
                                       1035
Thr Asn Thr Asn Leu Leu Phe Val Val Ala Glu Lys Pro Leu Cys Ser
               1045
                                   1050
                                                       1055
Gln Cys Glu Ala Gly Arg Leu Leu Gln Lys Glu Thr His Cys Pro Ala
                               1065
           1060
                                                   1070
Asp Gly Pro Glu Gln Cys Glu Leu Val Gln Arg Pro Arg Tyr Arg Arg
       1075
                           1080
                                               1085
Gly Pro His Ile Cys Phe Asp Tyr Asn Ala Thr Val Arg Arg Gly Gly
                       1095
                                           1100
Gly Gly Pro Glu Ile Pro Arg Pro Cys Ala Arg Pro Gly Arg Pro Ala
                  1110
                                      1115
Pro Cys Leu Ser Pro Gln Glu Asp Thr Ser Asp Cys Gly Arg Gly Ala
               1125
                                  1130
Ser Phe Pro Pro Ser Leu Gly Val Leu Val Ser Leu Gln Leu Leu
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